

# DOD HUMAN TICK TEST KIT PROGRAM

## Ticks Removed from Humans, CY 2004

Species	Identified	Tested	Positive Results					
			LD <sup>1</sup>	Bab <sup>2</sup>	HGE <sup>3</sup>	HME <sup>4</sup>	STARI <sup>5</sup>	RMSF <sup>6</sup>
<i>Amblyomma americanum</i> (lone star tick)	1625	1610	0	---	---	12	22	---
<i>Dermacentor variabilis</i> (American dog tick)	326	321	---	---	---	---	---	0
<i>Ixodes scapularis</i> (blacklegged tick, a.k.a. 'deer' tick)	343	336*	81	3	7	---	---	---
<i>Amblyomma maculatum</i> (Gulf Coast tick)	1	1**	---	---	---	---	---	---
<i>Dermacentor albopictus</i> (winter tick)	1	0	---	---	---	---	---	---
<i>Ixodes cookei</i> (groundhog tick)	1	0	---	---	---	---	---	---
<i>Ixodes ricinus</i> (European sheep tick)	1	0	---	---	---	---	---	---
<i>Rhipicephalus sanguineus</i> (brown dog tick)	1	1	---	---	---	---	---	0
<b>Totals</b>	<b>2299</b>	<b>2269</b>	<b>81</b>	<b>3</b>	<b>7</b>	<b>12</b>	<b>22</b>	<b>0</b>

1. Lyme disease, caused by *Borrelia burgdorferi*

2. Babesiosis, caused by *Babesia microti*

3. Human granulocytic ehrlichiosis, caused by *Anaplasma phagocytophilum*

4. Human monocytic ehrlichiosis, caused by *Ehrlichia chaffeensis*

5. Southern tick-associated rash illness, caused by *Borrelia lonestari*

6. Rocky Mountain spotted fever, caused by *Rickettsia rickettsii*

\* 1 of these ticks was coinfectd with *B. burgdorferi* and *A. phagocytophilum*, and 1 was co-infected with *A. phagocytophilum*.

\*\* This tick was tested for *Rickettsia parkeri*, a spotted fever group pathogen recently shown to be associated with human disease.

It was negative. W Sumner, JA Comer, SR Zaki, CS Goldsmith, J Goddard, SLF McLellan, CL Tamminga, CA Ohl. Clinical Infectious Diseases. 2004. 38:805-813